

Climatological Data for March, 1910.
DISTRICT No. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

GENERAL SUMMARY.

Warm weather was general over the district during the first 7 days of the month; on the 8th, a change to cooler took place, and from the 8th to 12th cool weather prevailed and killing frosts occurred southward over a large portion of Arkansas. Moderate temperature conditions prevailed from the 12th to 14th. Another cool period overspread the district from the 15th to 18th, giving freezing temperatures southward into Arkansas and Mississippi.

Precipitation was mainly in the form of snow in the mountainous portions of the New Mexico and Colorado areas, and rain elsewhere over the district, except that there was some snow in the Kansas and Missouri areas. Periods of precipitation were not well defined, but there were three periods of scattered showers. The first showery period occurred on the 9th and 10th in the western, and 10 and 11th in the eastern portion of the district. The rainfall during this period was generally light. The second period occurred generally from the 14th to 21st, and, during this time, light showers occurred over the greater portion of the district. The third rainy period extended from the 28th to 31st, and most of the monthly precipitation occurred during this time. Scattered showers occurred on other dates, also, but, taken as a whole, the precipitation was not sufficiently well distributed throughout the month to meet agricultural requirements.

TEMPERATURE.

High temperatures prevailed during the month, the mean being above the normal over the entire district. The greatest excess, more than 14° , occurred over the Kansas area and the western portion of the Missouri area; elsewhere, the excess ranged from 1.7° to 11.5° . The maximum temperature reached, or exceeded, 90° at some stations in all parts of the district, except in the Colorado and New Mexico areas, and the highest recorded was 100° , at Hugoton, Kans. Except in southern Louisiana, the monthly minimum temperatures were generally below 32° , and in the mountainous portions of the Colorado and New Mexico areas they were generally below 20° . The lowest temperature recorded was zero at Lake Moraine, Colo.

Monthly mean temperatures and departures from the normal for the various States and areas are reported as follows: Colorado area, 46.7° , $+9.4^{\circ}$; New Mexico area, 49.9° , $+6.1^{\circ}$; Texas area, 58.8° , $+9.5^{\circ}$; Kansas area, 56.8° , $+12.4^{\circ}$; Oklahoma, 60.1° , $+8.8^{\circ}$; Missouri area, 57.6° , $+10.5^{\circ}$; Tennessee area, 59.0° , $+9.4^{\circ}$; Arkansas, 60.7° , $+8.4^{\circ}$; Mississippi area, 62.5° , $+5.4^{\circ}$; Louisiana, 64.4° , $+3.3^{\circ}$.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—Unusually dry weather prevailed throughout the Arkansas Basin. Over the headwaters of this basin, in Colorado, the precipitation from 35 stations averaged 0.58 inch, being about 0.6 inch below the normal. No precipitation worthy of mention occurred over the Valley of the Arkansas proper in Kansas and Oklahoma; the amounts from 28 stations averaged 0.20 inch, and the average deficiency was 1.49 inch. The precipitation was uniformly light in the Cimarron Valley, where the amounts from 20 stations averaged 0.16 inch, being 1.26 inch below the normal. The amounts from 40 stations covering the headwaters of the Canadian in New Mexico averaged 0.17 inch, which is about one-third of the normal; over the stretches of the Canadian that lie in Texas and Oklahoma, the precipitation from 21 stations averaged 0.35 inch, being 1.72 inch below the normal. The precipitation over the Verdigris and Neosho valleys averaged about 0.25 inch, and the average deficiency was about 2 inches. The pre-

cipitation over that portion of the Arkansas Basin below the Oklahoma-Arkansas line ranged generally between 0.50 inch and 2 inches; the amounts from 16 stations averaged 0.96 inch, being about 3.7 inches below the normal.

Red River and tributaries.—Very little precipitation occurred over the stretches of this basin in New Mexico, Texas, and Oklahoma, except in scattered localities; the amounts from 41 stations averaged 0.98 inch, being about 1.8 inch below the normal. Over those portions of the valley that lie in Arkansas and Louisiana, the precipitation ranged generally between 1 inch and 2.5 inches; the amounts from 17 stations averaged 1.79 inch, being about 3 inches below the normal.

Mississippi south of St. Louis and small tributaries.—The droughty conditions of the western portion of the district extended eastward over this area. In the immediate Mississippi Valley, the amounts from 46 stations averaged only 1.03 inch and the deficiency was about 4 inches. Only a few scattered stations reported 2 inches or more. There was a deficiency of about 3 inches in the Valley of the Meramec. The precipitation was uniformly light over the White River Basin; the amounts from 21 stations averaged 1.30 inch, being about 3.5 inches below the normal. Over the valleys of the Yazoo and the Big Black, the precipitation from 28 stations averaged 0.58 inch and the deficiency was 5.5 inches. There was generally between 1 inch and 2 inches of precipitation over the Ouachita Valley; the amounts from 19 stations averaged 1.54 inch, being about 4.2 inches below the normal.

Louisiana coastal plain.—Very little precipitation occurred over this area; the amounts from 24 stations averaged 0.99 inch, being 3.4 inches below the normal. Only 3 stations reported 2 inches or more.

Average monthly precipitation and departures from the normal for the various States and areas are reported as follows: Colorado area, 0.53, -0.61 ; New Mexico area, 0.19, -0.33 ; Texas area, 0.80, -1.63 ; Kansas area, 0.12, -1.43 ; Oklahoma, 0.43, -1.83 ; Missouri area, 1.10, -3.01 ; Tennessee area, 0.84, -4.30 ; Arkansas, 1.39, -3.68 ; Mississippi area, 0.67, -5.39 ; Louisiana, 1.19, -3.58 .

SNOWFALL.

Moderately heavy snow fell in the mountainous portions of the Colorado and New Mexico areas, and light snowfall was general over the Missouri area, and the eastern portion of the Kansas area. Aside from this no snow fell in the district, except a trace at one station in Arkansas and small amounts at 2 stations in the Texas Panhandle. The warm weather during the month caused a rapid settling of the snow at high altitudes, and the thawing by day and freezing by night rapidly solidified the drifts. The outlook for a flow of irrigation water, above the average amount, was excellent at the close of the month. The average snowfall (in inches) for the various States and areas during the month, as derived from the records of such stations as reported snow, is as follows: Colorado area, 9.1; New Mexico area, 2.2; Kansas area, 0.1; Missouri area, 0.4; Texas area, trace; Arkansas, trace.

RIVERS.

No flood occurred in the Arkansas, White, Red, and Ouachita rivers, and all streams were low at the close of the month. Below St. Louis, the Mississippi was rising at all stations at the opening of the month. The flood stage was reached at Memphis on the 17th, and the stage was 33.1 feet on the 18th and 19th. Flood stages were not recorded at any station below Memphis, and a general fall was in progress at the close of the month.

NOTES.

Reports from Kansas state that farm and building operations progressed uninterruptedly during the month. Early peaches, pears, plums, and apricots were in blossom, and shade trees were leafing at the close of the month.

The Reclamation Record for April, 1910, reports the Kansas Garden City Project (98 per cent completed): "The work on the Garden City Project during the month of March consisted of overhauling the machinery in the power plant and pump houses and preparing it for an indefinite period of disuse."

Mr. Charles F. Rudolph, of Rociado, N. Mex., states: "Unusually warm weather during the month melted the snow in the mountains and the streams were all running full, diminishing summer water supply."

Tulia, Tex., reports a hard freeze on the 31st. As a rule, farmers smudged their orchards, thereby saving some thousands of dollars.

In Arkansas the weather was ideal for outdoor work. Navigation on the Arkansas River was practically suspended after March 17 on account of low water.

SMUDGE POTS FOR THE PREVENTION OF FROSTS,
WICHITA, KANS.

By RICHARD H. SULLIVAN, Local Forecaster.

The inclosed series of observations were taken for the benefit of members of the Sedgwick County Horticultural Society and others in connection with the frost warnings of March 30 and April 5 and tests of Troutman smudge pots in the 1-acre orchard of Mr. Albert Kunkel, in Wichita, on March 31 and April 6, and in a selected plat of the orchard of the Thomas Orchard Company, 3 miles west of Wichita, on April 6. The readings for the Kunkel orchard on March 31 and the Thomas orchard on April 6 were made by the writer, 2 minimum and 5 exposed thermometers, 1 anemometer, and 1 commercial thermometer being used.

On Mr. Kunkel's place 79 pots to the acre were used on March 31 and 70 pots to the acre on April 6; his fruit is still unharmed. In the Thomas orchard 50 pots to the acre, or 500 pots in all, were used among Jonathan and Grime's golden apple trees. Unfortunately, the temperature in the latter orchard could not be kept above freezing after 4 a. m. on account of lack of fuel oil. The small number of pots to the acre made it necessary to run them at nearly full capacity, and in order to carry the heat through to sunrise the lighting was delayed until 2 a. m. However, the manager does not consider his loss as great as in some orchards in the vicinity.

The figures show that with from 70 to 80 pots to the acre a fruit crop can be saved when the temperature falls to 25°, or even to 22°, if the work is done thoroughly and systematically. These are the first known practical tests of this character that have been made in this vicinity, and the whole proposition rests upon the question of how much expense for such insurance the investment can stand and still render a profit.

Where artificial methods of prevention of damage were not used during the freezes of March 31 and April 6, especially in the lowlands, there was general loss of apricots, peaches, plums, pears, and a very large proportion of apple buds, making the third series of disastrous spring frosts in 4 years. Last year the whole fruit tree crop was killed by a single freeze during the night of April 30-May 1, warning of which was given the day before.

There is now a general disposition among local horticulturists to adopt the methods of commercial fruit growers elsewhere to prevent damage by frosts and freezes, and the belief is steadily growing that the warnings of this service must be heeded if loss is to be avoided.

Comparative temperature, wind velocity, and weather readings made by the writer in connection with test of central-draft

smudge pots for prevention of damage by frost or freezing in the orchard of Albert Kunkel, No. 734 South Washington street, Wichita, Kans. Half-hourly observations were taken from midnight of March 30-31 to 7:30 a. m., March 31. The arrangement and height of the various instruments are indicated by the letters in the diagram and the explanation here-with. The smudge pots, 79 in number, were lighted between 5:30 and 5:45 a. m., March 31, and extinguished at 7:30 a. m. The temperatures at 6 a. m. in the accompanying table show the effectiveness of such a method during frosty periods. Fuel oil, costing 4 cents per gallon, was used.

Winds—Northwesterly to 2:30 a. m.; northerly to 6:30 a. m.; northeasterly to 7:30 a. m.

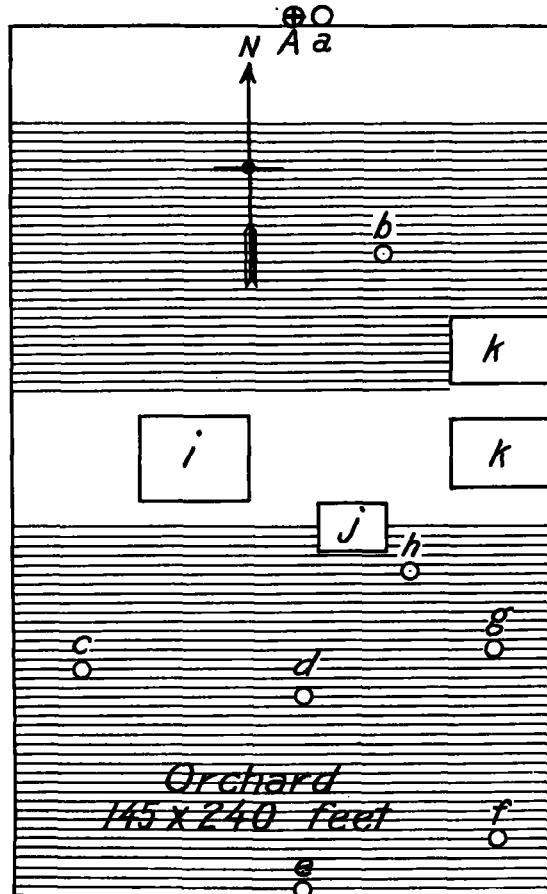


FIG. 1.

Shaded areas show limits of smudge pots.

a—Weather Bureau anemometer, 5 feet above ground.

a—Weather Bureau minimum thermometer No. 6733, 3 feet 8 inches above ground.

b—Weather Bureau standard thermometer No. 4403, 4 feet 9 inches above ground.

c—Weather Bureau standard thermometer No. 4788, 4 feet 9 inches above ground.

d—Weather Bureau standard thermometer No. 4789, 4 feet 9 inches above ground.

e—Weather Bureau minimum thermometer No. 9436, 3 feet 8 inches above ground.

f—Weather Bureau standard thermometer No. 3135, 4 feet 9 inches above ground.

g—Weather Bureau standard thermometer No. 5671, 4 feet 9 inches above ground.

h—Commercial thermometer, 1 foot above ground.

i—Residence.

j—Greenhouse.

k—Barn.

TABLE 1.—*Climatological data for March, 1910. District No. 7, Lower Mississippi Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.			Sky.	Prevailing wind direction.	Observers.				
				Mean.	Departure from the normal.		Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.	Number of rainy days, .01 inch or more.	Number of clear days.				
					Highest.	Date.													
<i>Colorado.</i>																			
Blaine.	Baca.	3,935	18	52.6	+10.6	86	25	19	10 49	T.	-0.70	T.	0.0	0	23	8	w.		
Buena Vista.	Chaffee.	7,655	10	39.8	.....	66	20†	7	10 41	0.10	.....	0.05	2.0	2	26	1	w.	
Calhan.	El Paso.	6,700	3	46.2	.....	72	21	13	30 38	1.05	.....	1.05	7.0	1	27	2	sw.	
Canon City.	Fremont.	5,329	22	54.6	+12.0	78	21†	29	9 43	0.25	-0.59	0.25	0.0	1	22	9	se.		
Colorado Springs.	El Paso.	6,093	30	47.4	+10.4	72	22	17	10 38	0.15	-0.60	0.13	1.1	2	24	6	1.		
Cripple Creek.	Teller.	9,396	9	.....	.....	78	22	17	10 38	0.77	.....	0.65	12.0	2	24	1	.....	
Cuchara Camps.	Huerfano.	8,200	.....	.....	.....	.....	.....	.....	0.40	.....	0.24	4.3	4	26	5	0	sw.	
Eads.	Kiowa.	4,209	3	.....	.....	.....	.....	.....	.....	1.95	.....	1.64	17.5	2	23	7	1	e.
Fairview.	Custer.	9,500	1	53.4	.....	82	21	25	10 41	0.00	.....	0.00	0.0	0	25	3	3	w.
Florence.	Fremont.	5,185	1	53.4	.....	82	21	25	10 41	0.64	.....	0.22	7.0	5	27	2	1.	
Garfield.	Chaffee.	9,510	.....	.....	.....	.....	.....	.....	.....	1.74	.....	0.18	2.0	1	22	8	1	n.
Glen Eyre.	El Paso.	6,500	18	45.3	+ 9.2	77	22	11	10 48	0.18	-0.97	0.18	0.0	1	24	5	2	s.	
Hamps.	Elbert.	5,490	17	44.6 ^a	+ 8.7	78 ^a	20	12 ^a	10 54 ^a	0.50	-0.49	0.50	6.0	1	24	5	6	sw.	
Hermit Lake.	Custer.	10,000	.....	.....	.....	.....	.....	.....	.....	2.37	.....	0.89	24.0	5	21	4	6	sw.
Hoegne (near).	Las Animas.	5,700	18	50.8	+11.0	87	20	21	31 57	0.30	-0.39	0.30	4.0	1	24	7	0	sw.	
Holly.	Prowers.	3,380	15	53.8	.....	87	23	17	10 55	0.00	-0.52	0.00	0.0	0	26	3	2	se.
Lake Moraine.	El Paso.	10,265	16	32.3	+ 0.6	54	12	0	10 48	1.74	-0.16	0.81	24.8	7	17	12	2	sw.	
Lamar.	Prowers.	3,592	20	53.5	+10.3	88	22†	21	10 53	0.00	-0.94	0.00	0.0	0	28	3	0	sw.	
Las Animas.	Bent.	3,898	42	50.2	+ 9.0	86	22†	20	1 56	0.30	-0.24	0.30	0.0	1	22	4	5	se.	
La Veta Pass.	Costilla.	9,000	.....	.....	.....	.....	.....	.....	1.25	.....	0.89	0.0	0	18	9	4	w.	
Leadville.	Lake.	10,245	14	31.9	+ 8.7	55	21	4	10 37	1.04	-0.89	0.57	16.3	7	22	5	4	n.	
Limon (near).	Elbert.	5,360	3	45.3	.....	78	22	10	30 52	0.00	.....	0.00	0.0	0	31	0	0	sw.
Marshall Pass.	Saguache.	10,846	7	.....	.....	.....	.....	.....	0.58	.....	0.58	18.0	2	22	3	2	nw.	
North Lake.	Las Animas.	8,700	.....	.....	.....	.....	.....	.....	0.52	.....	0.25	5.5	3	26	3	3	nw.	
Pueblo.	Pueblo.	4,734	22	51.2	+10.6	81	22	24	31 49	0.05	-0.47	0.05	0.0	1	24	6	1	nw.	
Rockyford (near).	Otero.	4,177	21	51.8	+10.0	85	22	15	10 55	0.35	-0.33	0.35	T.	1	27	3	1	sw.	
St. Elmo.	Chaffee.	9,500	.....	.....	.....	.....	.....	.....	1.03	.....	0.36	11.7	4	23	4	4	sw.	
Salida.	do.	7,035	12	42.1	+ 5.3	69	22	11	10 44	0.80	+ 0.03	0.40	5.5	3	25	4	2	w.	
Santa Clara.	Huerfano.	8,250	15	43.9	+ 9.3	70	21†	12	10 41	0.09	-1.85	0.04	2.5	3	17	14	0	sw.	
Sheridan Lake.	Kiowa.	4,065	9	53.2	.....	85	21	13	9 52	T.	.....	T.	0.0	0	31	0	0	sw.
Stonewall.	do.	8,000	4	.....	.....	.....	.....	.....	0.19	.....	0.09	4.0	3	19	10	2	sw.	
Trinidad.	Teller.	5,994	14	.....	.....	.....	.....	.....	0.05	-0.54	0.05	1.0	1	27	3	1	sw.	
Victor (near).	do.	10,100	6	42.2	.....	88	20	16	30 35	0.87	.....	0.60	13.0	4	24	6	1	e.
Villas.	Baca.	3,935	.....	.....	.....	.....	.....	.....	T.	-0.55	T.	T.	0	0	24	7	0	sw.
Westcliffe.	Custer.	7,364	16	40.9	+ 7.8	68	20	6	10 45	0.58	-0.72	0.53	6.5	3	20	8	3	nw.	
Winfeld.	Chaffee.	9,765	.....	.....	.....	.....	.....	.....	0.66	.....	0.29	10.5	5	12	17	0	Zack Jordan.	
Wirtman.	Lake.	11,250	9	.....	.....	.....	.....	.....	1.48	.....	0.40	31.0	5	22	4	5	Geo. C. Wirtman.	
<i>New Mexico.</i>																			
Abbott.	Mora.	5,771	.....	.....	.....	80	3	28	1†	0.00	.....	0.00	0.0	0	10	21	0	w.
Albert.	Union.	4,700	19	55.5	+ 7.2	84	5	28	30†	47	0.00	-0.50	0.00	0.0	0	21	10	0	w.
Arch (near).	Roosevelt.	4,634	1	49.0 ^a	70 ^a	3†	25 ^a	9†	40	0.80	0.80	0.0	1	22	2	7	s.
Aurora.	Colfax.	8,849	.....	.....	.....	.....	.....	.....	0.29	.....	0.17	5.0	2	3	25	3	3	nw.
Bell Ranch.	San Miguel.	4,500	11	55.7	86	5	24	31	58	0.33	-0.12	0.15	0.0	3	23	6	3	s.
Black Lake.	Colfax.	8,348	.....	.....	.....	.....	.....	.....	0.22	.....	0.22	3.0	1	18	9	4	w.	
Cabeza.	San Miguel.	5,406	.....	.....	.....	.....	.....	.....	T.	.....	T.	0.0	0	22	7	2	w.	
Campana.	do.	4,493	.....	.....	.....	.....	.....	.....	T.	.....	T.	0.0	0	22	7	2	sw.	
Circona.	Mora.	9,000	6	48.1	77	5	20	30†	48	0.08	0.08	0.0	1	14	14	3	w.
Cimarron (near).	Colfax.	6,385	6	48.1	77	5	20	30†	48	0.27	0.12	3.0	1	10	17	4	w.
Clayton.	Union.	5,178	5	.....	.....	.....	.....	.....	0.14	.....	0.12	1.2	2	16	12	3	e.	
Clovis.	Curry.	4,349	.....	56.7	.....	83	5	27	30 38	0.08	.....	0.08	0.0	1	18	13	0	s.
Dawson.	Colfax.	6,396	.....	.....	.....	.....	.....	.....	0.10	.....	0.10	1.0	1	26	0	5	sw.	
Dorsey (near).	do.	6,000	8	48.0	.....	77	5	18	30 48	T.	.....	T.	0.2	0	19	11	1	sw.
Elizabethtown.	Union.	8,465	4	36.7	63	21	6	30†	42	0.37	0.18	4.3	3	14	14	3	w.
Folsom.	Union.	6,390	10	48.0	63	21	6	30†	42	T.	0.24	5.0	2	24	5	2	sw.
Fort Union.	Mora.	6,835	50	44.8	+ 4.2	75	5	2	30	52	0.57	+ 0.03	0.45	T.	2	26	2	3	sw.
Hayden.	Union.	4,444	1	49.6	.....	78	23†	23	11 43	0.00	.....	0.00	0.0	0	21	0	10	sw.
Johnsons Park.	Colfax.	6,722	.....	.....	.....	.....	.....	.....	T.	.....	T.	0	0	25	5	1	sw.	
Lake Alice.	do.	7,160	1	.....	.....	.....	.....	.....	0.11	.....	0.11	0.0	0	20	3	8	sw.	
Logan.	Quay.	3,851	4	54.6	87	5†	21	11†	57	0.00	0.00	0	0	25	5	1	sw.
Los Alamos.	San Miguel.	6,789	5	.....	.....	.....	.....	.....	0.36	.....	0.27	4.0	3	19	7	5	sw.	
Lykins (near).	Roosevelt.	5,394	2	.....	.....	.....	.....	.....	0.00	.....	0.00	0.0	0	28	2	1	sw.	
Maxwell (near).	Colfax.	4,400	12	54.3	.....	86	25	26	11 49	0.70	.....	0.70	0.0	1	28	0	1	sw.
Merose.	Curry.	4,400	2	54.3	.....	75 ^a	5	17 ^a	10†	46 ^a	0.00	.....	0.00	0	15	16	0	w.
Miami Ranch.	Colfax.	6,000	2	47.3 ^a	.....	75 ^a	5	17 ^a	10†	46 ^a	0.00	.....	0.00	0	21	0	10	El Paso & Southwest. R. R.
Montoya.	Quay.	4,335	4	55.6	.....	85	25	26	30 46	0.11	.....	0.11	0.0	0	20	3	8	sw.
Nara Visa.	do.	4,225	4	55.6	.....	85	25	26	30 46	0.11	.....	0.11	0.0	0	20	3	8	sw.
Pasamonte.	Union.	6,689	12	49.0	+ 8.3	77	5	19	31 49	0.15	-0.39	0.15	3.0	1	26	3	2	s.	
Raton.	Colfax.	8,200	6	42.8	.....	70	5	2	30 45	0.65	.....	0.23	8.0	4	18	11	2	w.
Rociada.	San Miguel.	5,584	3	55.9	.....	86	25	25	30†	49	0.20	.....	0.20	0	24	5	1	sw.
Roy.	Mora.	4,290	3	55.9	.....	86	25	25	30†	49	0.20	.....	0.20	0	25	5	1	sw.
San Jon.	Quay.	5,626	1	50.4	.....	79	5†	20	30 51	0.32	.....	0.24	2.0	3	24	4	3	sw.
Solanot(1).	Mora.	5,626	1	50.4	.....	79	5†	20</td										

TABLE 1.—Climatological data for March, 1910. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.			Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmerged.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
Texas—Cont'd.																			
Memphis.....	Hall.....	2,067	5	63.0		92	51	32	10†	44	0.83		0.73	0.0	3	19	6		
Miami.....	Roberts.....	2,743	4	59.2		93	25	32	31	53	0.46		0.18	0.0	3	26	5	s.	
Mobeetie.....	Wheeler.....	1									0.25		0.25	0.0	1	25	2		
Nashville.....	Castro.....	4																	
Ochiltree.....	Ochiltree.....	2																	
Fampa.....	Gray.....	3,226	1	57.0		93	22	27	6	53	0.03		0.26	0.2	2				
Paris.....	Lamar.....	502	21	62.8	+ 9.8	90	23	36	11	41	2.35	- 0.98	1.08	0.0	4	17	1	s.	
Plemons.....	Hutchinson.....	3		54.3		91	25	20	31	57	0.01		0.01	0.0	1	24	4	sw.	
Quanah.....	Hardeman.....	1,563	5	58.1		88	27	30	11	37	1.20		1.20	0.0	1	26	0	s.	
Ringo Crossing.....	Hopkins.....										2.29		1.40	0.0	3	22	1	sw.	
Romero.....	Hartley.....										0.34		0.12	0.0	5	13	8	s.	
Sherman.....	Grayson.....	745	17			88	25	25	10†	53									
Sulphur Springs.....	Hopkins.....	530	18	64.1	+ 5.8	90	22	38	11	36	1.95	- 1.01	1.30	0.0	3	18	4	sw.	
Texline.....	Dallam.....	4,894	5	57.2		18	10	0.00					0.00	0.0	0	0	0	s.	
Tulia.....	Swisher.....	3,501	12	57.2		90	5†	23	11	55	1.06		0.66	T.	4	12	18	1 sw.	
Wichita Falls.....	Wichita.....	958	5																
Winfield.....	Titus.....																		
Kansas.																			
Anthony.....	Harper.....	1,329	13	58.4		92	25	27	1	49	T.	- 1.11	T.	0.0	0	19	8	4 sw.	
Ashland.....	Clark.....	1,951	22	57.5	+ 11.0	94	25	24	7†	57	0.04	- 0.90	0.04	0.0	1	26	5	s.	
Burlington.....	Coffey.....	1,010	17	57.6	+ 12.6	91	22	24	15	49	0.31	- 1.78	0.17	T.	3	24	6	1 s.	
Chanute.....	Neosho.....	940	6	58.8		94	23	28	12†	46	0.55		0.30	0.0	2	21	8	2 s.	
Cimarron.....	Gray.....	2,700	4	55.2		92	25	21	31	51	T.		T.	0.0	0	22	5	1 sw.	
Coldwater.....	Comanche.....	2,090	13	57.8		93	25	22	10	47	T.	- 1.20	T.	0.0	0	23	7	1 s.	
Columbus.....	Cherokee.....	898	20	58.7	+ 10.6	86	23	27	15	38	0.85	- 2.62	0.52	0.0	3	23	6	2 sw.	
Coolidge.....	Hamilton.....	3,346	13	52.3	+ 11.4	89	23†	12	10	61	0.00	- 0.20	0.00	0.0	0	26	4	1 sw.	
Cottonwood Falls.....	Chase.....	1,234	6	58.0		92	25	23	7†	53	0.02		0.02	T.	1	26	4	6 s.	
Council Grove.....	Morris.....	1,191	1	55.8		93	25	24	7†	51	T.		T.	0	0	25	6		
Cunningham.....	Kingman.....	1,680	26	58.1 ^b		92	25	23	10	54 ^b	T.	- 1.16	T.	0.0	0	14 ^b	1 ^b	sw.	
Dodge City.....	Ford.....	2,513	36	55.8	+ 14.1	90	25	24	31	48	0.01	- 0.87	0.01	0.0	1	20	9	2 s.	
El Dorado.....	Butler.....	1,291	8	57.8		89	25	25	7	48	0.08		0.08	0.0	1	29	1	1 s.	
Elinwood.....	Barton.....	1,788	20	58.9	+ 15.3	90	25	23	10	52	T.	- 1.26	T.	0	0	24	6	1 sw.	
Emporia.....	Lyon.....	1,138	29	58.4	+ 16.2	89	23†	24	15	48	T.	- 1.34	T.	0	0	24	7	2 s.	
Eureka.....	Greenwood.....	1,093	14	57.7		90	25	22	15	50	0.21	- 1.74	0.15	T.	2	22	7	1 s.	
Fall River.....	do.....	925	14	58.0	+ 12.0	91	25	20	7	52	0.37	- 2.04	0.25	T.	3	26	4	1 s.	
Fargo.....	Seward.....	1																	
Frederonia.....	Wilson.....	864	7	59.4		91	23	27	15	47	0.06		0.04	T.	2	23	6	2 s.	
Garden City.....	Finney.....	2,836	21	54.2	+ 10.9	89	23†	20	31	57	T.	- 0.84	T.	0.0	0	23	8	0 s.	
Great Bend.....	Barton.....	1,850	1																
Greensburg.....	Kiowa.....	2,235	3	55.2		90	25	23	10	48	T.		T.	0.0	0	29	0	2 s.	
Grenola.....	Elk.....	1,116	23	57.2	+ 11.4	91	25	24	7†	49	0.15	- 2.00	0.14	0.0	2	25	5	1 s.	
Howard §.....	do.....	1,112	3																
Hugoton.....	Stevens.....	6		55.6		100	23	17	10	61	9.00		0.00	0.0	0	29	0	2 s.	
Hutchinson.....	Reno.....	1,535	20	56.4	+ 11.4	93	25	23	10	50	T.	- 1.27	T.	0.0	0	26	3	2 s.	
Independence.....	Montgomery.....	816	37	59.5	+ 13.0	92	25	26	7	47	0.44	- 2.02	0.16	0.0	4	19	6	6 s.	
Iola.....	Allen.....	984	4	57.4		89	22	26	15	45	0.32	- 2.03	0.19	1.4	4	20	7	4 s.	
Jetmore.....	Hodgeman.....	2,268	9	55.5		89	23	22	31	55	T.		T.	0	0	17	14	0 sw.	
Kingman.....	Kingman.....	1,504	24	58.0		91	25	25	10	51	T.		T.	0	0	25	6	0 sw.	
La Crosse.....	Rush.....	2,061	8	57.4 ^a		92	25	27	17	51	56 ^a	T.		T.	0	0	28	3	0 sw.
Larned.....	Kearney.....	2,993	20	58.0	+ 16.2	89	25	24 ^b	11	57 ^b	T.	- 0.61	T.	0.0	0	13 ^b	2 ^b	sw.	
Lebo.....	Pawnee.....	2,050	25	56.8		92	25	25	31	48	T.	- 0.65	T.	0.0	0	28	3	0 s.	
Le Roy.....	Coffey.....	1,138	24	56.6	+ 13.2	90	23†	23	15	49	0.06	- 2.36	0.03	T.	2	25	5	1 s.	
Liberal.....	do.....	990	1																
Mc Pherson.....	Seward.....	2,843	3	57.2		92	25	22	10†	50	T.		T.	0.0	0	21	5	5 sw.	
Macksville.....	Mc Pherson.....	1,495	21	57.2	+ 13.7	93	25	22	10	48	0.00	- 1.48	0.00	0.0	0	25	5	1 sw.	
Madison.....	Stafford.....	2,032	21	58.0	+ 13.6	93	21	22	10	49	0.13	- 0.63	0.13	0.0	1	20	9	2 s.	
Marion.....	Greenwood.....	1,074	9	56.2		92	22†	20	15	53	0.25	- 1.81	0.21	0.0	2	21	9	1 se.	
Medicine Lodge.....	Marion.....	1,310	17	56.1	+ 11.7	91	25	22	10	53	T.	- 1.53	T.	0.0	0	18	12	1 s.	
Medora.....	Barber.....	1,475	17	56.8	+ 10.2	93	25	22	10	56	T.	- 1.05	T.	0.0	0	23	7	1 s.	
Mount Hope.....	Reno.....	1,454	1																
Neosho Rapids.....	Sedgwick.....	1,410	13																
Ness City.....	Lyon.....	1,002	5																
Newton.....	Ness.....	2,260	17																
Norwich.....	Harvey.....	1,454	13	57.8	+ 11.1	92	25	26	7	49	0.02	- 1.45	0.02	0.0	1	22	7	2 sw.	
Oswego.....	Kingman.....	1,496	14	59.1	+ 13.5	90	25	25	10	44	T.	- 1.40	T.	0.0	0	15	16	0 sw.	
Pratt.....	Labette.....	899	16	59.0	+ 11.4	90	22	27	15	42	0.81	- 2.21	0.48	0.0	2	18	10	3 sw.	
Rome.....	Pratt.....	1,950	15			91	25	26	7	48	T.	- 0.82	T.	0.0	0	18	2		
Summer.....	Sumner.....	1,218	24	57.8	+ 12.2	92	25	22	7	58	T.	- 1.67	T.	0.0	0	24	6	1 s.	
Sedan.....	Chautauqua.....	834	20	60.2	+ 13.3	93	23	26	7	47	0.23	- 2.25	0.10	0.0	3	23	6	2 s.	
Toronto.....	Woodson.....	1,040	13	55.8	+ 10.3	93	23	26	7	47	0.00	- 2.11	0.00	0.0	0	28	0	3 s.	
Ulysses.....	Grand.....	3,027	19	52.8 ^a		88 ^b	22†	19 ^b	10	52 ^b	T.	- 0.52	T.	0.0	0	11 ^a	19 ^a	0 sw.	
Walnut.....	Crawford.....	840	8	58.2		90	22	26	15	41	0.45		0.31	T.	2	26	4	1 sw.	
Winchita.....	Sedgwick.....	1,377	23	58.1	+ 14.0	89	25	29	10	42	T.	- 2.25	T.	0.0	0	19	10	2 s.	
Winfield.....	Cowley.....	1,124	16	57.2	+ 11.0	90	25	25	7	47	0.46	- 1.18	0.48	0.0	1	24	4	3 s.	
Yates Center.....	Woodson.....	1,068	31	58.4 ^a	+ 13.8	94 ^b	22	25 ^b	7†	58 ^b	0.04	- 2.12	0.03	T.	2	23 ^b	5 ^b	1 ^b s.	
Oklahoma.	Pontotoc.....	1,001	3	63.1 ^c		89 ^c	23	27	11	43	T.		0.0	0	19	0	6	s.	
Alva.....	Woods.....	1,350	6	59.6 ^c		88 ^c	22	27	10	49	T.		0.0	0	22	3			

TABLE 1.—Climatological data for March, 1910. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Sky.	Prevailing wind direction.	Observers.						
				Mean.	Departure from the normal.	Highest.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, 1/10 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Oklahoma—Cont'd.																				
Fort Gibson.	Muskogee.	556	6	60.4		90	24	11	52	0.83	0.77	0.0	2	22	3	6	s.			
Frederick.	Tillman.	1,293	7	60.4		93	24	11	52	0.72	0.66	0.0	4	18	10	5	sw.			
Gage.	Ellis.	2,136	8	57.2		89	25	21	10	51	0.00	0.00	0.0	1	1	1	s.			
Goodwell.	Texas.	3,300	54.4			91	22	26	11	50 ^b	0.54	-1.89	0.26	0.0	21	0	10	w.		
Guthrie.	Logan.	1,000	8	62.2 ^a	+11.3	91	22	26	11	50 ^b	0.54	-1.89	0.26	0.0	3			s.		
Guymon.	Texas.	3,133	1														A. L. Mordt.			
Harrington.	Roger Mills.	2,200	7	61.4		92	5	30	10	42	0.35	-0.35	0.0	1	24	3	4	sw.		
Hartshorne.	Pittsburg.	700	12	65.2	+10.0	89	29	11	43	1.35	-2.07	0.70	0.0	3	23	6	2	s.		
Healdton.	Carter.	900	17	60.7	+7.0	91	22	19	11	56	0.09	-2.52	0.09	0.0	1	21	8	2	s.	
Helena.	Alfalfa.	1,396	3	60.1		92	5	28	7	52	T.	T.	0.0	0	27	3	1	s.		
Hennessey.	Kingfisher.	1,166	16	61.5 ^a	+10.9	89	25 ^a	27	11	50 ^b	0.09 ^a	-1.83	0.06 ^a	0.0 ^a	2	11	14	0	s.	
Hobart.	Kiowa.	1,398	7	61.0		87	24	29	11	53	0.55	-0.50	0.0	2	16	12	3	s.		
Holdenville.	Hughes.	900	10	61.2	+5.4	90	24	27	11	48	0.20	-1.03	0.20	0.0	1	25	5	1	s.	
Hooker.	Texas.	2,999	5	54.8		91	25	21	10	57	T.	T.	0.0	0	19	4	8	s.		
Hurley.	Cimarron.	3,600	2	52.0		83	7 ^a	18	10	51	T.	T.	0.0	0	26	5	0	sw.		
Idabel.	McCurtain.	474	3	59.8		92	23	26	11	55	1.49	-0.98	0.0	3	23	0	8	s.		
Jefferson.	Grant.	1,062	17	57.2	+7.3	93	25	25	7	52	0.00	-1.43	0.09	0.0	0	21	10	0	s.	
Kenton.	Cimarron.	4,000	11	52.8	+5.6	85	26	23	10	53	0.02	-0.68	0.02	0.0	1	24	6	1	s.	
Kingfisher.	Kingfisher.	1,046	13	61.0	+9.2	90	5	26	11	52	1.08	-1.63	0.74	0.0	3	18	10	3	s.	
McAlester.	Pittsburg.	698	18	64.6		89	13 ^a	30	11	42	1.22	-2.46	0.67	0.0	2	24	2	5	s.	
McComb.	Pottawatomie.	1,200	16	63.4	+11.3	90	21 ^a	33	12	46	0.13	-2.17	0.13	0.0	1	10	19	2	s.	
Mangum.	Greer.	1,585	18	57.0	+4.6	90	5	23	11	54	0.61	-0.32	0.33	0.0	3	21	5	5	nw.	
Marlow.	Stephens.	1,292	10	61.8	+8.0	89	22 ^a	28	1	45	0.47	-1.57	0.25	0.0	3	19	5	7	se.	
Meeker.	Lincoln.	1,030	17	60.0	+8.9	89	24 ^a	23	11	49	0.31	-1.98	0.39	0.0	2	25	2	4	s.	
Muskogee.	Woodward.	614	12	62.1	+9.6	90	22	29	11	42	0.70	-2.53	0.70	0.0	0	30	0	1	s.	
Mutual.	Caddo.	1,500	5	60.2		89	5	27	11	51	0.49	-0.41	0.0	0	3	19	11	1	s.	
Neola.	Kay.	1,149	14	61.6 ^a	+12.2	92	25	28	10	50	0.40	-1.70	0.40	0.0	1	24	4	3	s.	
Newkirk.	Cleveland.	1,171	17			90	4	25	11	47	0.21	-0.13	0.0	2	24	5	2	s.		
Norman.	Dewey.	1,854		58.2		90	5	25	11	48	0.18	-0.29 ^a	0.07 ^a	2	27	3	1	s. ^a		
Oakwood.	Blaine.	1,194		60.2 ^a		91	5	27 ^a	11	48	0.37 ^a	-1.10	0.0	2	20	2	9	s.		
Okeene.	Oklahoma.	1,247	21	60.5	+11.5	87	25	33	11	40	0.65	-1.73	0.35	0.0	3	16	13	2	s.	
Oklahoma.	Oklmulgee.	752	3	62.6		90	23	30	11	52	0.20	-0.18	0.0	2	23	5	3	s.		
Omulgee Valley.	Garvin.	880	11														A. M. Foss.			
Pawhuska.	Osage.	918	13	61.4	+11.5	91	25	20	12	50	0.40	-2.87	0.20	0.0	3	21	7	3	s.	
Perry.	Noble.	1,060	13	60.4	+9.7	92	25	30	11	48	0.18	-1.90	0.12	0.0	3	23	7	1	s.	
Ravia.	Johnson.	796	9	63.4		88	22 ^a	28	11	48	1.32	-1.10	0.0	2	20	2	9	s.		
Sac & Fox Agency.	Lincoln.	900	13	62.2 ^a	+11.5	99 ^a	26	33 ^a	29	11	42	0.33 ^a	-1.94	0.33 ^a	0.0 ^a	2	26 ^a	1 ^a	3 ^a	sw. ^a
Shawnee.	Pottawatomie.	1,041	10	61.2 ^a	+6.8	89	24 ^a	29	11	47	0.34 ^a	-1.67	0.19 ^a	0.0 ^a	4	18 ^a	4 ^a	8 ^a	sw. ^a	
Snyder.	Kiowa.	1,356	4	61.2		89	5	25	11	50	0.54	-0.52	0.0	2	21	8	2	sw.		
Stillwater.	Payne.	880	18	59.2	+8.8	90	25	26	11	50	0.59	-1.82	0.42	0.0	3	22	6	3	s.	
Supply.	Woodward.	2,100	3	57.7		92	5 ^a	23	31	52	0.00	-0.00	0.0	0	22	6	1	s.		
Tulsa (I).	Tulsa.	700	22	61.3		90	22 ^a	31 ^a	11	42	0.19	-2.53	0.12	0.0	2	19	5	7	s.	
Vinita.	Craig.	698	7	59.2		89	22 ^a	26	11	43	0.03	-0.70	0.0	0	3	19	6	6	s.	
Wagoner.	Wagoner.	588	14	59.7	+7.6	89	22	28	11	48	0.83	-2.63	0.83	0.0	1	23	1	7	s.	
Waukomis.	Garfield.	1,258	14	59.6	+8.5	92	5	28	11	51	0.29	-1.53	0.18	0.0	3	25	4	2	sw.	
Waurika.	Jefferson.	988		61.6		90	24 ^a	27	11	49	0.36	-0.17	0.17	0.0	4	22	6	3	sw.	
Weatherford.	Custer.	1,639	9	59.6		90	5	27	11	52	0.56	-0.25	0.0	0	3	22	5	4	s.	
Webbers Falls.	Muscow.	479	12	59.0	+4.6	91	23	26	12	56	1.20	-2.26	1.20	0.0	1	19	7	5	se.	
Whiteagle.	Wright.	945	5	60.6		91	25	30	7	50	0.26	-0.15	0.0	0	2	21	9	1	s.	
Woodward.	Woodward.	1,888	1	59.4		92	5 ^a	23	31	53	T.	T.	0.0	0	29	1	1	s.		
Missouri.																				
Belle.	Maries.	18	56.8 ^a	+11.6	93	27	21 ^a	15	48 ^a	0.02 ^a	-3.54	0.02 ^a	0.2 ^a	1 ^a	11 ^a	18 ^a	1 ^a	sw. ^a		
Birchtree.	Shannon.	1,200	17	58.2 ^a	+10.4	88	23	22	15	38	3.17	-2.00	1.35	0.0	4	22	6	3	sw.	
Cape Girardeau.	Cape Girardeau.	346	5														A. J. Wofford.			
Caruthersville.	Pemiscot.	20	59.5	+8.6	93	22 ^a	26	16	44	1.66	-2.58	0.65	0.0	4	21	5	5	s.		
Dean.	McDonald.	11	57.2	+7.0	88	25	32	11	46	1.36	-2.16	0.47	0.0	5	28	1	2	sw.		
Doniphan.	Ripley.	440	6	56.8		88	23	23	15	42	1.18	-0.70	0.0	3	26	3	2	s.		
Farmington.	St. Francois.	889	3	56.9		90	22 ^a	19	15	45	0.25	-0.25	0.0	1	23	5	3	sw.		
Gano.	Dent.	7	59.1		89	22 ^a	22	15	40	0.08	-0.27	0.0	0	3	27	2	2	s.		
Goodland.	Iron.	900	5	54.1		88	22	22	17	50	0.69	-0.27	0.0	0	3	27	2	2	s.	
Greenville.	Wayne.	16	57.2		90	23	22	15	48	1.64	-3.10	1.39	T.	2	22	8	1	s.		
Hollister.	Taney.	57.2				92	23	24	15	51	1.10	-0.80	0.0	0	27	0	4	sw.		
Iron.	Iron.	925	32	55.7	+11.0	90	22 ^a	17	15	46	0.40	-4.00	0.15	T.	4	16	10	5	s.	
Jackson.	Cape Girardeau.	458	19	58.6	+11.9	88	23 ^a	23	15	36	0.16	-4.91	0.10	0.0	2	17	10	4	s.	
Joplin.	Jasper.	979	32	62.4		88	25	22	12	40	1.07	-1.70	0.70	0.0	3	24	5	2	sw.	
Koshkonong.	Oregon.	911	10	61.0		89	23	27	15	33	0.98	-0.43	0.0	0	4	21	7	3	sw.	
Lamar.	Barton.	964	30	57.6	+11.4	89	23	29	12	41	1.00	-1.90	0.63	T.	4	21	6	4	sw.	
Marble Hill.	Bollinger.	420	19	57.6	+10.3	88	24	22	11	45	0.90	-4.18	0.90	0.0	1	15	13	3	nw.	
Mountaintop.	Wright.	1,490	11	56.5		84	23	23	15	38	1.79	-3.12	0.83	0.5	4	23	6</td			

TABLE 1.—Climatological data for March, 1910 District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Arkansas.																					
Alicia.	Lawrence.	6		89	23	29	11	53	1	0.95	0.45	0.0	3	4	20	7	4	sw.	McCullough & Guelick.		
Amity.	Clark.	250	18	61.0	+ 6.7	89	22	28	11	51	1.84	- 4.08	0.77	0.0	4	4	22	7	7	sw.	Prof. S. M. Samson.
Arkadelphia (near).	do.	250	3	62.6		87	23	32	11†	43	1.36	- 1.02	0.0	5	5	5	2	7	sw.	J. A. Ross.	
Arkansas City.	Desho.	145	27								1.16	- 4.44	0.60	0.0	5	5	5	5		W. C. Blundell.	
Batesville (2).	Independence.	271	6								1.27		1.12	0.0	5	5	5	5		Mrs. Lelia I. Teter.	
Bee Branch.	Van Buren.	18	60.9	+ 8.7	89	23	25	15	50	0.30	- 4.67	0.36	0.0	1	22	6	3		J. E. Scanlon.		
Benton.	Saline.	283	3	61.8		88	23	32	15	39	1.46		0.85	0.0	3	3	6	6	sw.	J. E. Evans.	
Bentonville.	Benton.	1,303	5	58.6	+ 11.3	86	22	29	15	36	1.86	- 1.96	1.67	0.0	5	5	20	6	5	s.	U. S. Weather Bureau.
Bergman.	Boone.	1,324	14	55.3	+ 6.9	84	23	22	2†	51	1.51	- 1.85	0.48	0.0	5	5	25	3	3	nw.	John T. Maxey.
Black Rock.	Lawrence.	6									1.07		0.92	0.0	4	4	4	4		S. J. Howe.	
Brinkley.	Monroe.	226	24	60.0	+ 6.8	90	23	29	16†	44	1.13	- 4.73	0.83	0.0	3	3	3	3		H. L. D. Whitton.	
Calico Rock.	Izard.	361	6								0.84		0.74	0.0	3	3	3	3		W. H. Stoner.	
Camden.	Ouachita.	158	25	61.8	+ 10.0	89	23	31	11†	46	1.20	- 4.47	0.68	0.0	3	3	22	1	8	sw.	R. H. Quartermann.
Centerpoint.	Howard.	10	62.3		92	23	31	11	48	2.05		1.15	0.0	3	3	20	3	8	sw.	J. M. Huddleston.	
Clarendon.	Monroe.	171	6								1.40		0.81	0.0	3	3	3	3		Mrs. B. E. Bishop.	
Conway.	Faulkner.	309	27	60.7	+ 8.5	89	23	32	11†	45	0.44	- 4.36	0.43	0.0	3	3	12	8	5	se.	G. H. Burr.
Cornings.	Clay.	293	18	60.4	+ 11.5	90	23	28	15	37	1.82	- 3.36	1.20	0.0	4	4	14	11	6	s.	Jacob Brobst.
Dardanelle.	Yell.	330	24	60.4		89	24	32	11†	44	0.92	- 3.95	0.83	0.0	3	3	3	3		A. Bernard.	
Dennard.	Van Buren.																		Fred B. Brown.		
Dodd City.	Marion.	1,175	29	58.1	+ 9.0	88	22†	25	11	49	1.02	- 3.32	0.90	0.0	3	3	3	3		Neal Dodd.	
Dutton.	Madison.	9																	Edward Mize.		
Earl.	Crittenden.	4		90		23†	34	1	40	1.43		0.86	0.0	3	3	3	3		W. J. Moss.		
Eldorado.	Union.	265	6	60.6		89	23	33	16	42	2.06		1.64	0.0	4	4	4	4		Fred A. Bab.	
England.	Lonoke.	4	61.3		87	22†	29	16	41	1.00		1.00	0.0	1	1	1	1		J. C. Chenault.		
Eureka Springs.	Carroll.	9	61.0		92	25	25	77	44	1.55		1.10	0.0	2	2	21	7	3	sw.	S. H. Britts.	
Fayetteville.	Washington.	1,451	21	60.0	+ 11.4	85	22†	29	11†	37	1.57	- 2.70	1.27	0.0	4	4	17	9	5	sw.	University of Arkansas.
Fort Smith.	Sebastian.	481	28	61.9	+ 10.6	87	22	36	11	41	0.87	- 2.75	0.54	0.0	7	7	16	10	5	e.	U. S. Weather Bureau.
Fulton.	Hempsted.	264	6								2.40		1.30	0.0	4	4	4	4		B. C. Logan.	
Hardy.	Sharp.	643	12	60.8		90	23	28	11†	40	1.01	- 3.94	0.51	0.0	3	3	18	8	5	sw.	C. A. Caywood.
Helena (3).	Phillips.	182	9	60.8	+ 7.3	80	24†	28	16	47	1.24	- 5.07	0.74	0.0	5	5	5	5		B. F. Modisett.	
Hot Springs.	Garland.	600	4	58.2		86	22†	27	11	50	1.59		1.01	T.	4	29	1	1	w.	Hot Springs Water Co.	
Huttig.	Union.	88	3	63.0		90	23	30	11†	44	0.91		0.43	0.0	3	3	16	11	4		C. A. Berry.
Jonesboro.	Craighead.	345	15	60.2	+ 8.1	91	23	25	11	42	1.60	- 3.42	0.90	0.0	4	4	19	10	2	s.	Benedictine Sisters.
Junction.	Union.	17	62.2	+ 5.3	90	23	29	16	41	1.72	- 4.35	1.12	0.0	2	2	23	3	5	sw.	J. A. Lowderback.	
Lake Farm.	Jefferson.	195	3	59.8		88	23	26	16	45	1.31		0.50	0.0	4	4	24	4	3	s.	R. H. Gillespie.
Lewisville.	Lafayette.	262	7	62.8		91	23	33	11	44	1.61		0.45	0.0	5	5	5	5		F. W. Youmans.	
Little Rock.	Pulaski.	357	31	62.3	+ 9.6	87	23	37	10	38	0.87	- 4.07	0.70	0.0	4	4	19	7	5	sw.	U. S. Weather Bureau.
Lutherville.	Johnson.	775	13	59.6	+ 6.3	87	23	25	15	40	0.74		0.63	0.0	2	2	22	4	5	sw.	Herman Hentschel.
McNeil.	Columbia.	321	3																L. A. Smith.		
Malvern.	Hot Spring.	277	23	58.8	+ 4.7	86	23†	30	11†	52	1.15	- 4.00	0.65	0.0	3	3	6	11	5		Miss L. C. Smith.
Mammoth Spring.	Fulton.	6	58.0		91	23	26	15	48	1.00		0.30	0.0	3	3	6	6		F. Wallick.		
Marked Tree.	Poinsett.	6									1.11		0.75	0.0	3	3	6			L. Smith.	
Mena.	Polk.	1,100	24																D. H. Hopkins.		
Mossdale.	Newton.	17	58.1	+ 9.9	81	23	24	15	40	0.60	- 6.12	0.60	0.0	2	2	2	2		Theo Ober.		
Mount Nebo.	Yell.	1,750	20	61.6	+ 12.6	88	22	30	12	39	0.40	- 5.05	0.40	0.0	1	20	5	6	s.	T. G. Church.	
Newport (1).	Jackson.	231	26	61.0	+ 10.7	90	23	30	11†	44	1.10	- 3.82	0.63	0.0	3	3	2	2		L. R. Cobb.	
Ozark.	Franklin.	377	19	62.6	+ 9.4	91	21	33	11	37	0.43	- 4.63	0.31	0.0	2	2	23	6	2	c.	R. M. Adams.
Pine Bluff.	Jefferson.	215	22	60.8	+ 6.3	91	23	34	11	42	0.74	- 4.90	0.44	0.0	3	3	24	4	4		J. M. Hudson.
Pocahontas.	Randolph.	18	60.8	+ 11.4	91	23	29	15	41	1.39	- 3.50	1.12	0.0	2	2	23	4	4		Benedictine Sisters.	
Pond.	Benton.	1,250	13	58.6		87	22	23	11	45	1.94	- 1.69	1.88	0.0	5	5	14	14	3	sw.	A. F. Stevens.
Portland.	Ashley.	122	1	63.1		91	23	29	17	49	3.05		2.02	0.0	2	2	2	2		T. A. Corson.	
Prescott.	Nevada.	327	22	60.5	+ 4.9	91	23	31	11†	49	1.93	- 2.14	0.80	0.0	4	4	18	4	9	sw.	A. M. Ellsworth.
Rogers.	Benton.	1,385	19	59.0	+ 11.3	87	22	26	11	41	1.73	- 2.09	1.45	0.0	4	4	19	8	4	s.	Carl A. Stark.
Spielerville.	Springbank.	1,050	13	62.3	+ 8.5	90	23	36	11†	37	0.93	- 3.39	0.91	0.0	3	3	18	4	9	sw.	New Subiaco Abbey.
Stuttgart.	Miller.	182	3								2.05		0.75	0.0	5	5	5	5		G. Field.	
Arkansas.	Arkansas.	495	23	60.4	+ 7.0	87	23	32	15	42	0.93	- 5.03	0.43	0.0	4	4	23	6	2	sw.	H. A. Buerkle.
Texarkana.	Miller.	332	26	62.0	+ 5.8	89	23	36	11	39	2.74	- 1.13	1.90	0.0	3	3	24	3	3	s.	F. F. Quinn.
Warren.	Bradley.	304	15	61.6	+ 6.2	88	23†	29	16	43	2.02	- 4.30	1.26	0.0	2	2	24	3	3	sw.	W. J. Savage.
Whitecliffs.	Little River.	206	6								2.64		1.83	0.0	3	3	18	4	9	sw.	John E. Payton.
Wiggs.	Garland.	17	61.2	+ 6.5	88	23	27	11	51	1.74	- 4.20	0.94	0.0	4	4	22	7	2	sw.	S. D. Jester.	
Wynne.	Cross.	2	59.5		88	23†	29	11†	48	2.54		1.94	0.0	4	4	23	0	8		R. R. Poole.	
Anguilla.	Sharkey.	107	2	63.2		87	23	28	16	40	0.45		0.45	0.0	1	17	10	4	sw.	E. W. Cook.	
Austin.	Tunica.	200	14	61.0	+ 5.6	88	23†	28	16	44	1.17	- 4.61	0.59	0.0	5	5	23	7	1	s.	H. J. Irvine.
Batesville.	Panola.	230	22	60.0	+ 6.5	91	23	26	16	48	0.60	- 5.45	0.40	0.0	2	24	0	7	e.	J. M. Cox.	
Byhalia.	Marshall.	390	1								0.34		0.21	0.0	3	19	8	4		Tallahatchie Drng. Com.	
Canton.	Madison.	228	20	63.4	+ 4.7	89	23	28	16	39	0.56	- 5.26	0.37	0.0	2	19	8	4		Dr. G. W. Smith-Vanz.	
Clarkdale.	Coahoma.	177	3								0.53		0.34	0.0	4	4	19				

TABLE 1.—*Climatological data for March, 1910. District No. 7—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Sky.			Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelched.	Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	
Mississippi—Cont'd.																		
Tchula.	Holmes.	130	5	63.5		90	23	27	16	45	1.05		0.75	0.0	2	20	7	w.
University.	LaFayette.	502	17	62.0	+ 7.7	88	24	28	16	40	0.44	- 5.97	0.34	0.0	2	20	4	n.
Utica.	Hinds.	237	6	63.5		89	23†	28	16	44	2.09		1.89	0.0	1	17	13	s.
Vicksburg.	Warren.	247	39	65.6	+ 7.4	87	28	37	16	30	0.53	- 5.72	0.53	0.0	1	20	3	s.
Water Valley.	Yalobusha.	340	21	61.6	+ 6.4	91	24	25	16	40	0.53	- 5.98	0.38	0.0	1	24	6	s.
Woodville.	Wilkinson.	560	17	65.4	+ 3.8	88	23	33	16	38	0.20	- 5.75	0.20	0.0	1	23	7	se.
Yazoo City.	Yazoo.	116	16	64.5 ^b	+ 5.4	89	23†	30	16	44 ^c	0.26	- 5.48	0.26	0.0	1	23	1	H. S. Orr.
Louisiana.																		
Abbeville.	Vermilion.	18	22	66.0	+ 3.1	88	28	33	16	35	1.70	- 2.02	1.47	0.0	6	22	5	se.
Alexandria.	Rapides.	77	19	63.2	+ 3.0	90	22†	33	16	42	1.25	- 4.01	1.10	0.0	3	20	3	e.
Amite.	Tangipahoa.	130	22	64.0	+ 1.9	88	24†	29	16	41	0.10	- 5.25	0.10	0.0	1	10	12	s.
Baton Rouge.	E. Baton Rouge.	35	22	66.4	+ 4.8	85	28	38	16	33	0.51	- 4.71	0.51	0.0	1	22	1	nw.
Burnside.	Ascension.	20	10	62.8 ^c	- 0.9	86 ^c	24†	28	12	50 ^c	0.83	- 4.72	0.50	0.0	1	22	1	C. S. McFarland.
Burrwood.	Plaquemines.	1	20	64.4	+ 2.2	80	9	46	17	26	1.35	- 2.09	1.00	0.0	1	17	4	nw.
Calhoun.	Ouachita.	180	17	62.1	+ 6.1	90	23	28	16	46	1.06	- 4.27	0.75	0.0	6	20	2	s.
Cameron.	Cameron.	6	15	64.2	+ 1.6	79	15	44	12	33	0.54	- 2.83	0.54	0.0	1	18	12	se.
Cheneyville.	Rapides.	67	20	65.0	+ 3.9	89	26†	34	16	40	1.32	- 3.60	1.00	0.0	2	18	7	e.
Clinton.	East Feliciana.	113	20	65.0	+ 2.8	89	23	31	16	41	0.56	- 5.46	0.41	0.0	2	20	9	n.
Collinston.	Morehouse.	65	8	63.0 ^b		90 ^b	23	30	16	38 ^c	0.52	0.0	0.24	0.0	3	24	3	.....
Covington.	St. Tammany.	39	17	65.0	+ 2.3	88	24	30	16	47	0.45	- 4.91	0.45	0.0	1	17	4	W. A. Page.
Dodson.	Winn.	1	20	63.4		89	22	30	16	42	2.59		1.75	0.0	3	23	1	C. Champagne.
Donaldsonville.	Ascension.	33	20	67.0	+ 4.7	84 ^a	6†	38	16	38 ^a	0.60	- 4.11	0.45	0.0	2	24	4	J. P. Lucas.
Farmerville.	Union.	177	20	61.0 ^b	+ 4.3	88 ^a	21	29	15	46 ^a	0.78	- 5.02	0.66	0.0	2	23	4	John F. Park.
Ferriday.	Concordia.	3	23	63.2		89	23†	28	16	44	1.48		1.43	0.0	2	23	2	W. P. Chandler.
Franklin.	St. Mary.	10	18	66.0	+ 1.9	89	28	35	16	38	0.75	- 2.90	0.58	0.0	2	23	3	R. Z. Solster.
Grand Cane.	De Soto.	302	4	63.5		91	23	33	12	46	1.35		0.91	0.0	3	22	3	Miss Josephine M. Bonney.
Grand Coteau.	St. Landry.	93	23	65.6	+ 3.0	87	24†	33	16	39	0.20	- 4.11	0.20	0.0	1	22	5	J. J. Paxton.
Hammond.	Tangipahoa.	44	15	64.6	+ 2.8	88	26	29	16	41	0.38	- 5.20	0.38	0.0	1	27	3	St. Charles College.
Houma.	Terrebonne.	19															C. C. Carr.	
Jennings.	Calcasieu.	30	12	65.2	+ 2.3	88	22	38	16	40	0.82	- 2.68	0.72	0.0	2	19	10	J. M. Haggerty.
Lafayette.	Lafayette.	38	21	65.2 ^a	+ 2.9	93	4	33	16	43 ^b	1.47	- 2.40	1.10	0.0	3	18	7	J. F. Buch.
Lake Charles.	Calcasieu.	22	22	65.9	+ 4.9	90	22†	36	16	43	0.39	- 3.60	0.39	0.0	1	25	5	J. J. Davidson.
Lakeside.	Cameron.	9	16	66.6		85	21	39	16	34	0.36		0.36	0.0	1	30	0	A. O. Boudreaux.
Lawrence.	Plaquemines.	6	18	66.1	+ 3.0	88	23†	39	16	35	2.11	- 1.57	1.70	0.0	3	24	4	Miss L. T. Nunnebacker.
Liberty Hill.	Bienville.	23	15	65.0	+ 6.2	98	28	30	16	48	2.49	- 3.07	0.75	0.0	4	19	5	H. C. Warmoth.
Logansport.	De Soto.	192	6								1.08		0.70	0.0	3	23	9	Dr. E. A. Crawford.
Melville.	St. Landry.	45	21	64.0	+ 2.2	90	23	28	16	46	0.20	- 5.15	0.20	0.0	1	20	2	Mrs. Bettie M. Dennis.
Minden.	Webster.	194	18	60.8	+ 2.6	91	23	33	11†	51	1.57	- 2.82	0.77	0.0	4	21	5	Chas. B. McNeill.
Monroe.	Ouachita.	82	22	64.3	+ 6.0	90	23	34	16	42	0.52	- 4.87	0.28	0.0	2	26	5	Miss Ethel Fort.
Morgan City.	St. Mary.	14	5			87	23†	28	17	44	0.68		0.36	0.0	2	25	4	Kenneth F. Stiles.
Newellton.	Tensas.	3	18	63.8		87	23†	39	16	28 ^c	0.93	0.0	0.93	0.0	1	22	8	Virgil E. Kinsey.
New Iberia.	Iberia.	15	20	66.6 ^a	+ 2.8	88 ^a	23†	39	16	28 ^c	1.95	- 1.50	1.50	0.0	2	23	8	John D. Fultz.
New Orleans (1).	Orleans.	51	40	67.4	+ 5.4	84	23	42	16	25	3.15	- 2.15	3.13	0.0	2	26	5	Mrs. Jno. A. Gebert.
New Orleans (2).	do.	18	21	66.3	+ 3.6	88	22†	39	16	35	3.85	- 0.79	3.40	0.0	2	10	13	U. S. Weather Bureau.
Opelousas.	St. Landry.	83	18	64.8	+ 1.9	89	22†	31	16	39	T.	- 5.19	T.	0.0	0	23	3	Sugar Exp. Station.
Plain Dealing.	Bossier.	268	18	62.8	+ 4.7	91	24	32	11	46	1.94	- 2.30	0.65	0.0	4	21	4	Andrew Moresi.
Rayne.	Acadia.	44	18	65.6	+ 2.4	87	22†	35	16	39	1.26	- 2.76	0.95	0.0	2	15	1	Leon Sanders.
Reserve.	St. John Baptist.	8	6	62.1		88 ^a	4†	34	16	44 ^a	1.19		1.19	0.0	1	16	14	A. P. McNeil.
Robeline.	Natchitoches.	147	13	62.0	+ 1.7	90	23	31	11†	49	1.52	- 3.10	0.89	0.0	4	22	3	Leon Godchaux Co., Ltd.
Ruston.	Lincoln.	312	13	64.2 ^a	+ 4.3	91 ^a	23	33	16	49 ^a	2.00	- 3.94	1.00	0.0	5	21	1	Mrs. Ruby McCook.
St. Francisville.	West Feliciana.	115	6	65.3		88	23†	36	16	40	0.97		0.97	0.0	1	21	9	J. C. H. McKinney.
Schriever.	Terrebonne.	17	17														L. P. Kilbourne.	
Shreveport.	Caddo.	249	39	64.7	+ 5.5	88	23	39	11	30	2.84	- 1.68	1.69	0.0	4	20	4	Chas. V. Moore.
Simmesport.	Avoyelles.	5									0.29		0.26	0.0	2	15	6	U. S. Weather Bureau.
Southern Univ. Farm.	Jefferson.	15									2.80	- 1.24	2.80	0.0	2	23	6	C. T. Leigh.
Sugartown.	Calcasieu.	17		65.0	+ 2.9	85	23	38	16	34	1.02	- 3.85	1.02	0.0	1	14	16	F. L. St. Martin.
Tallulah.	Madison.	91	2	62.0 ^a		90 ^a	25†	24	16	52 ^a	0.34		0.34	0.0	1	17	13	G. W. Richardson.
																	C. E. Speed.	

^a, ^b, ^c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

* Precipitation included in that of the next measurement.

** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate dates of falls not recorded.

Data are from standard instruments not supplied by the U. S. Weather Bureau.

Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Estimated by observer.

||| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2—*Daily precipitation for March, 1910. District No. 7, Lower Mississippi Valley.*

TABLE 2.—*Daily precipitation for March, 1910. District No. 7—Continued.*

Stations.	River basins.	Day of month.																														Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Texas—Cont'd.																																		
Plemons	Canadian																																	0.01
Quanah	Red																																1.20	
Ring Crossing	do																																2.29	
Romero	Canadian																																0.34	
Sherman	Red																																0.00	
Sulphur Springs	do																																1.95	
Texline	Canadian																																0.00	
Tulia	Red																																1.06	
Wichita Falls	do																																1.06	
Winfield	do																																1.51	
Kansas.																																		
Anthony	Arkansas																																T.	
Ashland	Cimarron																																0.04	
Burlington	Neosho	.04																														0.31		
Chanute	do																																0.55	
Cimarron	Cimarron																																T.	
Coldwater	do																																T.	
Columbus	Neosho	.05																														0.85		
Coolidge	Arkansas																																0.00	
Cottonwood Falls	Neosho																															T.		
Council Grove	do																																T.	
Cunningham	Arkansas																																0.01	
Dodge City	do																																T.	
El Dorado	do																																0.08	
Ellinwood	do																															T.		
Emporia	Neosho																															T.		
Eureka	Verdigris																															T.		
Fall River	do																															0.37		
Fargo	Cimarron																															T.		
Fredonia	Virdigris	.02																														T.		
Garden City	Arkansas																															T.		
Great Bend	do																															T.		
Greensburg	do																															0.15		
Grenola	Verdigris	.01																														0.19		
Howard	do																															0.00		
Hugoton	Cimarron																															T.		
Hutchinson	Arkansas																															T.		
Independence	Verdigris	.16																														0.44		
Iola	Neosho	.07																														0.32		
Jetmore	Arkansas																															T.		
Kingman	do																															T.		
La Crosse	do																															T.		
Lakin	do																															T.		
Larned	do																															T.		
Lebo	Neosho																															0.06		
Le Roy	do																															0.29		
Liberal	Cimarron																															T.		
McPherson	Arkansas																															0.00		
Macksville	do																															0.13		
Madison	Verdigris																															0.25		
Marion	Neosho																															T.		
Medora	Arkansas																															T.		
Mt. Hope	do																															0.00		
Neosho Rapids	do																															T.		
Ness City	Arkansas																															0.02		
Newton	do																															T.		
Norwich	do																															0.23		
Oswego	Neosho																															0.81		
Pratt	Arkansas																															T.		
Rome	do																															T.		
Sedan	Verdigris	.10																														0.00		
Toronto	do																															T.		
Ulysses	Cimarron																															0.45		
Walnut	Neosho																															T.		
Wichita	Arkansas																															0.46		
Winfield	do																															0.04		
Yates Center	Verdigris																																	
Oklahoma.																																		
Ada	Canadian					</																												

TABLE 2.—*Daily precipitation for March, 1910. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for March, 1910. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for March, 1910. District No. 7—Continued.*

TABLE 3.—Maximum and minimum temperatures at selected stations, March, 1910. District No. 7, Lower Mississippi Valley.

Date.	Colorado.						New Mexico.						Texas.						Kansas.						Oklahoma																	
	Lamar.			Leadville.			Pueblo.			Albert.			Cimarron.			Amarillo.			Paris, §§			Dodge City.			Ellinwood.			Iola.			Liberal.			Wichita.			Ardmore, §§			Bartlesville.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.						
1.	73	24	41	19	68	42	73	37	68	33	69	37	77	36	66	29	71	32	70	29	61	38	70	29	61	33	73	42	67	42	65	29										
2.	76	29	44	18	70	42	72	40	67	40	76	43	74	44	74	32	73	33	76	36	75	30	77	30	77	32	82	37	78	36	82	40										
3.	74	30	49	18	69	34	74	39	68	33	76	43	77	45	77	37	78	33	79	40	80	32	80	33	82	45	82	40	82	46												
4.	79	30	46	20	75	33	80	40	73	31	83	43	84	45	82	32	82	32	82	33	82	33	83	33	82	35	85	47	83	47												
5.	85	32	48	26	78	36	84	46	77	29	87	42	86	49	86	40	87	36	82	35	89	35	84	46	86	50	87	46														
6.	75	34	48	25	60	35	66	42	67	37	62	41	68	52	60	31	75	41	64	33	72	44	63	43	78	52	65	58														
7.	75	30	46	25	76	27	78	31	73	25	80	32	74	48	72	30	71	30	65	33	74	41	69	46																		
8.	64	30	46	20	58	36	65	48	65	36	64	45	66	48	60	38	64	36	65	39	74	35	64	41	68	40	69	58														
9.	59	27	35	17	50	38	61	38	57	31	58	34	59	49	59	30	63	32	64	32	78	47	56	41																		
10.	64	21	41	4	61	24	60	31	54	21	55	31	56	43	55	30	66	23	62	22	58	22	52	29	58	38	53	36														
11.	67	25	45	13	62	27	65	31	58	28	66	32	68	36	68	29	65	32	70	28	67	33	72	29	65	30	70	30	69	34												
12.	77	30	43	20	73	28	70	34	66	26	73	39	74	44	76	34	75	35	73	35	77	35	74	41	85	40	80	50														
13.	75	29	45	16	69	38	74	37	67	32	74	39	74	44	76	38	75	39	74	32	61	35	66	50	61	38																
14.	63	29	47	20	57	36	66	35	65	28	65	38	65	54	57	33	63	30	56	32	61	35	56	35	62	32	68	40														
15.	70	33	43	20	64	32	60	36	58	29	65	35	65	44	65	34	63	31	59	26	67	35	62	32	68	40	64	30														
16.	70	30	46	14	64	32	66	36	61	29	59	40	62	42	68	40	72	42	69	41	70	35	67	41	61	39	71	46														
17.	77	27	45	22	70	33	76	38	66	29	72	34	75	57	74	38	76	39	70	45	69	45	70	45	70	48																
18.	78	30	47	24	73	32	77	42	70	32	77	43	78	68	50	51	71	41	62	43	73	46	68	48	70	46																
19.	81	33	51	24	74	37	77	41	71	35	76	47	72	62	50	58	51	79	46	72	46	74	50	79	48																	
20.	83	33	51	24	78	37	75	47	70	35	79	48	80	49	80	44	81	39	78	50	83	44	79	49	85	46	80	52														
21.	85	37	55	27	80	35	75	41	72	32	78	46	86	50	84	47	87	47	82	46	85	41	84	49	88	52	86	46														
22.	88	37	53	26	81	39	79	45	75	32	78	45	89	53	86	49	88	50	89	55	87	41	86	53	90	51	91	58														
23.	88	49	46	31	76	51	80	51	71	39	83	50	90	54	88	54	87	59	86	56	88	48	83	55	88	50	89	55														
24.	79	36	47	20	76	37	78	44	74	35	83	51	86	55	78	48	82	52	84	61	83	44	83	60	87	56	88	60														
25.	82	38	49	26	74	36	81	46	73	34	87	52	87	55	90	44	84	52	88	52	92	47	89	55	95	55	91	58														
26.	78	54	37	21	61	41	75	54	63	44	81	49	85	54	82	55	81	56	83	62	85	60	82	57	85	58	88	58														
27.	72	37	43	15	68	40	73	35	66	24	78	37	84	54	76	40	80	39	86	62	77	32	80	53	83	65	88	65														
28.	80	42	39	20	76	33	75	36	67	24	72	45	82	56	78	48	81	45	82	55	81	62	80	58	84	60																
29.	67	36	24	14	48	35	72	37	48	31	68	36	71	56	56	45	78	52	70	44	73	55	68	48	73	65																
30.	56	35	30	6	55	30	56	28	51	20	57	33	63	58	57	37	75	38	62	44	89	44	61	41	82	47	68	47														
31.	70	22	41	14	63	24	65	57	57	20	64	31	63	50	67	24	77	25	70	22	67	37	69	46	73	40																
Mns	74.5	32.5	44.2	19.6	68.0	34.5	71.8	39.2	65.6	30.6	72.4	40.6	76.8	48.9	72.5	39.0	75.2	38.6	71.8	43.1	76.5	37.9	71.8	44.4	77.1	46.1	75.3	47.4														

Oklahoma.

Missouri.

TABLE 3.—Maximum and minimum temperatures at selected stations, March, 1910. District No. 7—Continued.

Date.	Tennessee.				Arkansas.																Mississippi.																															
	Memphis.		Union City		Bentonville.				Corning.				Dardanelle.				Eldorado.				Fort Smith.				Little Rock.				Pine Bluff.				Texarkana.				Wynne.				Clarksdale.				Corinth.		Greenville.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.															
1.	68	43	63	32	62	42	59	33	67	35	61	43	67	45	60	44	61	40	68	42	64	36	.....	.....	.....	.....	.....	.....	68	40	67	43	68	48	73	40										
2.	69	43	70	38	74	38	70	36	75	48	72	42	75	43	74	44	71	38	74	43	69	40	.....	.....	.....	.....	.....	.....	72	48	73	40	80	40	81	42										
3.	78	53	78	41	78	45	77	40	80	48	86	42	80	46	80	51	82	45	79	44	70	40	.....	.....	.....	.....	.....	.....	84	43	84	44	84	46	82	44										
4.	79	60	82	44	79	53	81	45	84	40	81	42	83	42	80	50	83	43	80	47	81	43	.....	.....	.....	.....	.....	.....	82	46	82	44	82	46	82	44										
5.	78	62	82	50	80	53	81	49	84	42	80	43	82	53	80	56	82	45	81	52	80	46	.....	.....	.....	.....	.....	.....	82	46	82	44	82	46	82	44										
6.	79	58	80	55	71	43	80	50	82	52	80	52	88	54	83	58	85	50	82	53	81	53	.....	.....	.....	.....	.....	.....	82	54	81	52	82	54	81	52										
7.	64	45	65	35	65	32	69	37	69	36	70	52	68	45	61	47	60	45	68	53	63	36	.....	.....	.....	.....	.....	.....	64	43	70	50	70	41	70	50										
8.	70	50	67	34	72	42	68	37	72	36	82	47	76	48	77	51	82	75	75	51	72	38	.....	.....	.....	.....	.....	.....	70	37	84	47	76	37	84	47										
9.	58	43	64	38	54	34	65	39	53	43	78	47	62	44	61	41	70	50	76	51	55	51	.....	.....	.....	.....	.....	.....	60	39	70	60	60	40	70	60										
10.	48	38	55	36	50	31	51	35	55	38	46	43	56	39	52	37	52	40	49	49	50	38	.....	.....	.....	.....	.....	.....	42	40	45	44	42	40	45	44										
11.	59	39	61	29	63	30	61	29	67	32	63	35	65	36	64	38	65	34	65	36	60	29	.....	.....	.....	.....	.....	.....	62	32	63	37	62	32	63	37										
12.	59	44	58	38	67	32	63	36	70	32	70	41	65	45	65	45	65	40	72	39	77	37	.....	.....	.....	.....	.....	.....	61	34	68	39	61	34	68	39										
13.	78	48	76	40	77	47	77	46	83	45	80	38	83	42	83	45	84	42	84	42	80	37	.....	.....	.....	.....	.....	.....	76	35	82	35	76	35	82	35										
14.	60	41	63	37	57	37	74	39	64	43	68	40	63	48	65	48	62	43	68	42	65	43	.....	.....	.....	.....	.....	.....	54	39	65	49	54	39	65	49										
15.	50	34	51	27	58	29	56	28	57	34	59	38	59	39	53	38	58	36	60	42	52	29	.....	.....	.....	.....	.....	.....	50	29	57	36	50	29	57	36										
16.	62	38	65	29	63	41	66	38	66	34	65	33	61	42	64	38	69	38	64	40	64	29	.....	.....	.....	.....	.....	.....	63	25	64	27	63	25	64	27										
17.	66	49	70	45	65	40	70	45	69	40	64	35	67	49	67	49	66	50	62	41	69	41	.....	.....	.....	.....	.....	.....	70	28	69	36	70	28	69	36										
18.	68	54	71	42	69	46	71	45	70	44	65	50	69	52	66	51	68	45	55	52	70	48	.....	.....	.....	.....	.....	.....	70	44	72	50	70	44	72	50										
19.	64	51	72	47	67	47	70	44	68	44	74	45	67	49	63	49	70	43	66	42	72	45	.....	.....	.....	.....	.....	.....	69	46	78	45	69	46	78	45										
20.	76	52	77	47	77	51	77	52	82	44	77	49	77	50	78	46	80	42	78	47	76	45	76	46	76	45	76	46	76	45	76	46	76	45	76	46	76	45														
21.	72	54	76	46	79	47	75	48	79	49	83	52	80	56	76	56	81	53	80	55	77	48	80	50	76	46	84	56	76	46	84	56	76	46	84	56	76	46	84	56												
22.	80	53	82	48	86	54	85	48	88	49	86	51	87	54	86	51	87	46	86	53	84	47	85	50	80	55	86	53	86	55	86	53	86	55	86	53	86	55	86	53												
23.	85	64	89	59	85	59	90	56	88	54	90	51	87	52	87	51	89	54	89	57	88	50	80	56	87	54	87	56	87	54	87	56	87	54	87	56	87	54	87	56												
24.	86	63	88	53	81	61	88	51	89	50	86	52	84	52	86	50	85	57	86	59	86	56	88	50	86	54	89	56	88	54	89	56	88	54	89	56	88	54	89	56	88	54										
25.	84	66	80	58	84	60	86	57	87	50	86	51	86	51	86	50	85	57	85	56	85	57	87	56	86	54	88	56	87	54	88	56	87	54	88	56	87	54	88	56	87	54										
26.	84	66	87	50	82	56	82	58	83	49	79	54	85	49	82	50	84	55	85	51	82	46	87	56	87	54	88	56	87	54	88	56	87	54	88	56	87	54	88	56	87	54										
27.	84	53	89	59	84	64	85	51	82	65	86	65	86	57	87	55	87	55	89	60	85	57	87	56	86	55	88	56	87	55	88	56	87	55	88	56	87	55	88	56	87	55										
28.	88	57	91	57	87	63	86	53	85	55	86	52	87	55	87	52	87	54	86	55	87	57	83	57	86	55	87	56	86	55	87	56	86	55	87	56	86	55	87	56	86	55										
29.	86	59	89	59	82	65	85	53	84	65	86	56	86	57	81	57	86	56	87	53	82	57	79	64	86	56	85	55	87	56	86	55	87	56	86	55	87	56	86	55	87	56										
30.	81	59	87	65	82	65	79	64	81	67	81	64	81	64	81	64	81	64	81	64	81	64	81	64	81	64	81	64	81	64	81	64	81	64	81	64	81	64	81	64	81	64										
31.	81	50	83	63	78	59	81	61	82	60	83	58	84	58	84	58	85	58	85	58	85	58	80	61	77	62	74	59	70	59	70	59	70	59	70	59	70	59	70	59	70	59	70	59	70	59						
Means.	75.1	45.1	80.2	52.3	76.0	55.1	78.1	48.4	77.5	55.3	80.5	49.4	79.9	50.6 ^b	83.0	48.8	79.1	49.5	76.6	58.3	78.2	45.9	72.3	44.7	77.2	48.3	72.3	44.7	77.2	48.3	72.3	44.7	77.2	48.3	72.3	44.7	77.2	48.3	72.3	44.7	77.2	48.3	72.3	44.7	77.2	48.3